

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022724\
 Data File : BF137412.D
 Acq On : 27 Feb 2024 18:43
 Operator : CG\JU
 Sample : P1539-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241104-AMENDED-COMPOSITE-35N-N-4-03

Quant Time: Feb 28 05:22:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

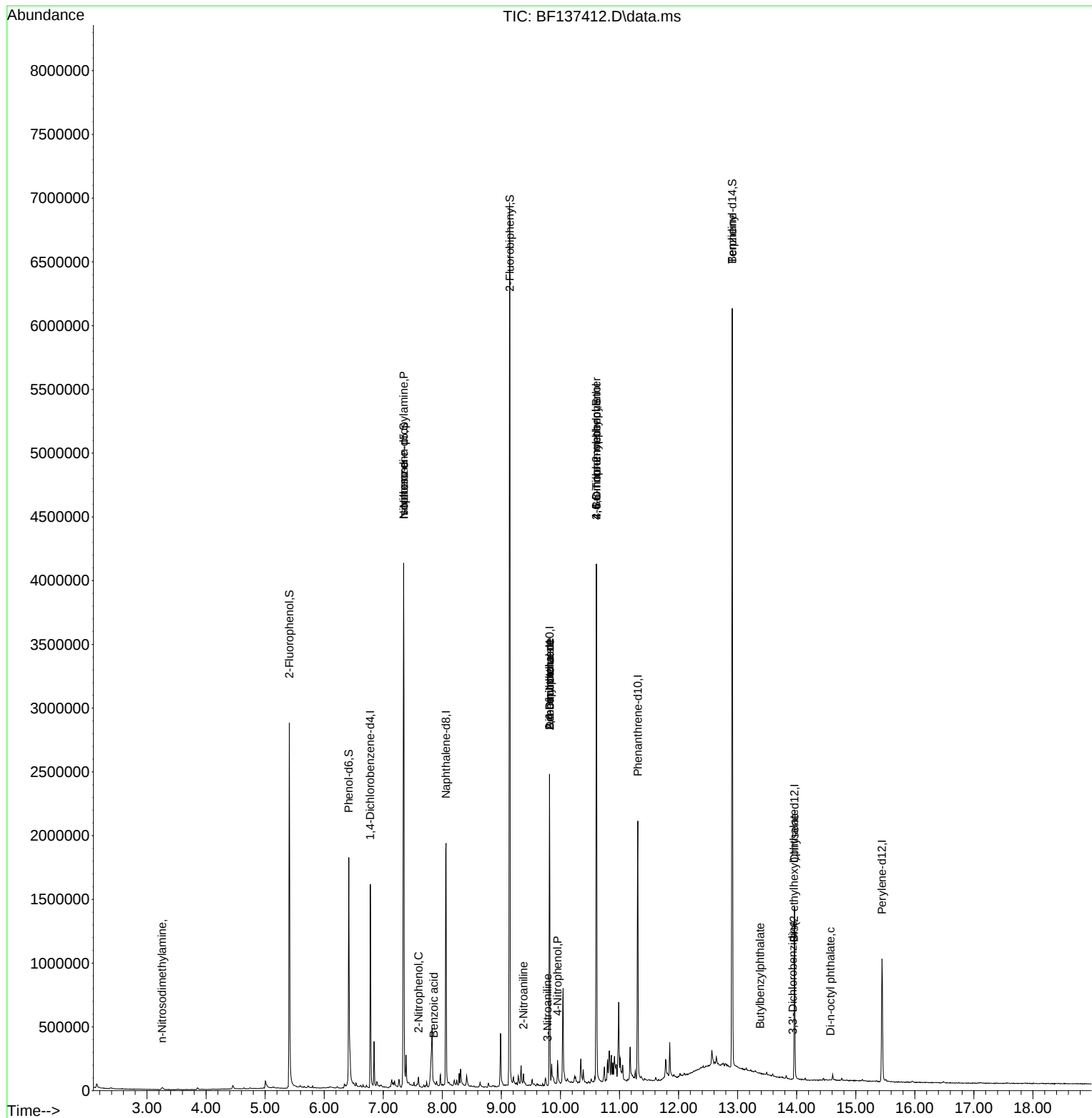
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	221085	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	864279	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	455499	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	659456	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	420237	20.000	ng	-0.02
86) Perylene-d12	15.445	264	444402	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	766849	53.521	ng	-0.02
7) Phenol-d6	6.416	99	606102	28.757	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1520273	87.818	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	460569	116.115	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	2316513	79.176	ng	-0.01
79) Terphenyl-d14	12.910	244	1989065	66.202	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.257	42	1593	5.296	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	202179	15.567	ng	# 83
25) Isophorone	7.345	82	1517319	42.383	ng	# 69
26) 2-Nitrophenol	7.598	139	343	2.950	ng	# 54
32) Benzoic acid	7.857	122	3466	7.319	ng	# 47
48) 2-Nitroaniline	9.374	65	419	4.293	ng	# 84
50) Dimethylphthalate	9.816	163	71836	2.282	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	60808	10.385	ng	# 26
53) 3-Nitroaniline	9.780	138	334	2.408	ng	# 63
56) 4-Nitrophenol	9.951	139	965	5.021	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	60808	9.095	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.610	198	1186	4.839	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	32014	4.516	ng	# 1
77) Benzidine	12.910	184	23188	9.699	ng	# 94
80) Butylbenzylphthalate	13.380	149	227	4.031	ng	# 51
82) 3,3'-Dichlorobenzidine	13.933	252	443	5.091	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.957	149	3033	4.554	ng	# 98
85) Di-n-octyl phthalate	14.574	149	372	6.036	ng	# 51

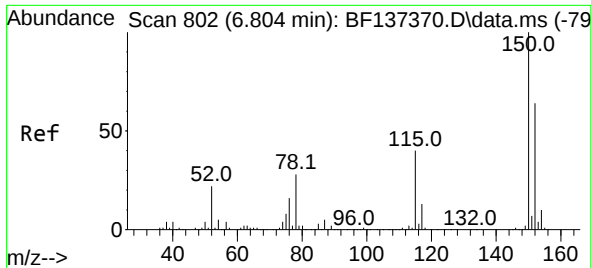
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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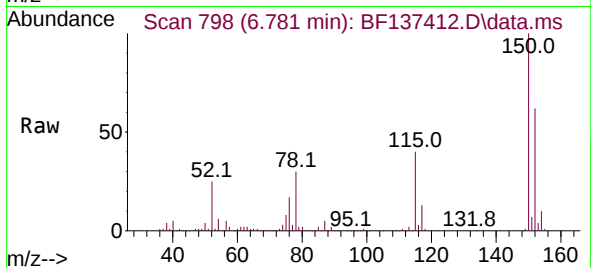
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Instrument :

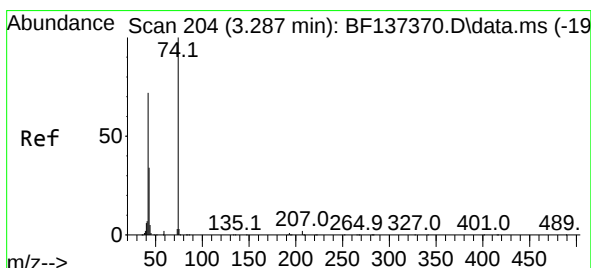
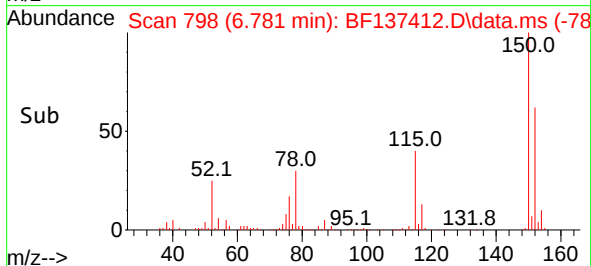
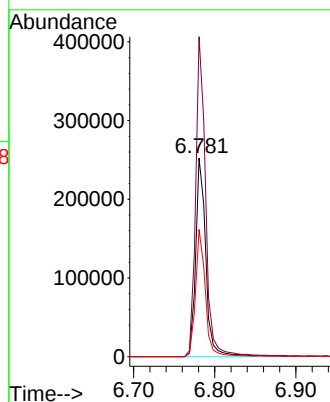
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20241104-AMENDED-COMPOSITE-35N-N-4-03

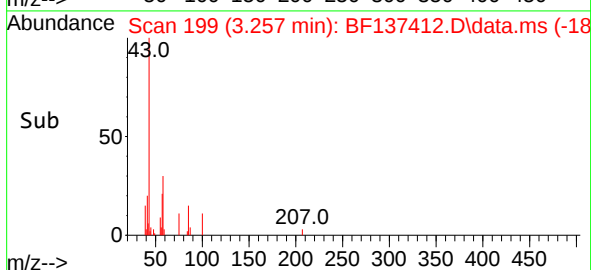
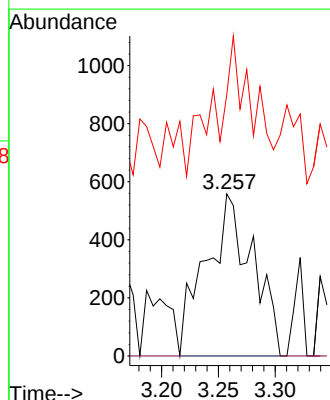
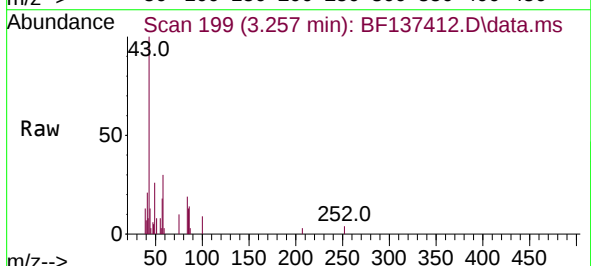


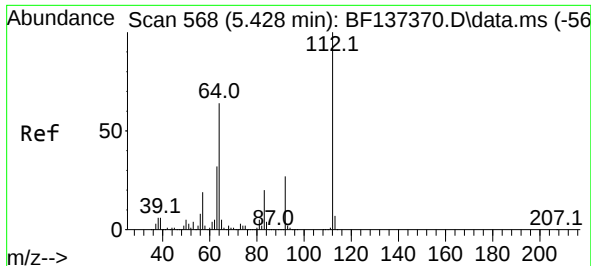
Tgt Ion:152 Resp: 221085
Ion Ratio Lower Upper
152 100
150 161.2 125.7 188.5
115 64.1 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.296 ng
RT: 3.257 min Scan# 199
Delta R.T. -0.030 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion: 42 Resp: 1593
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 161.1 6.0 9.0#





#5
2-Fluorophenol
Concen: 53.521 ng
RT: 5.410 min Scan# 50
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

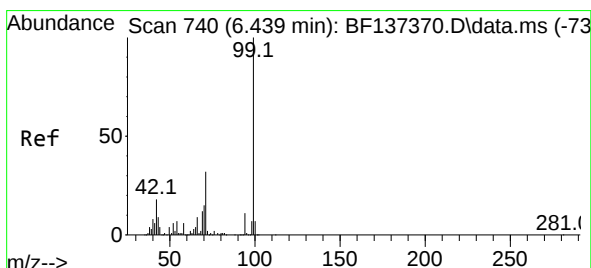
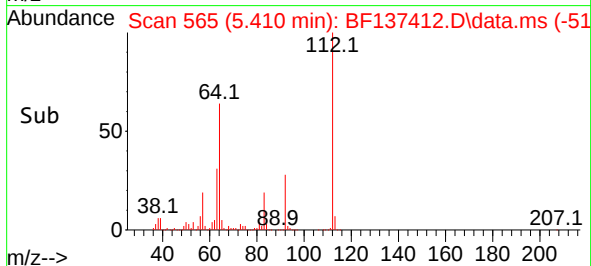
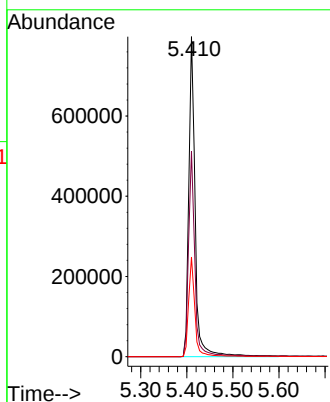
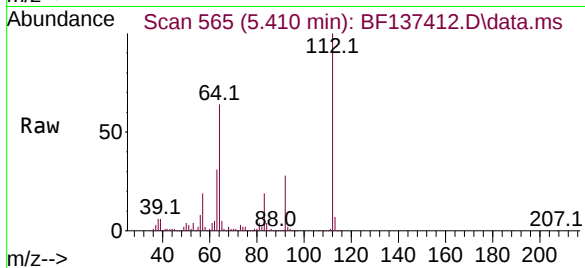
Instrument :

BNA_F

ClientSampleId :

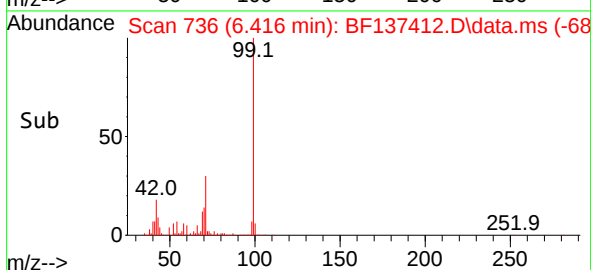
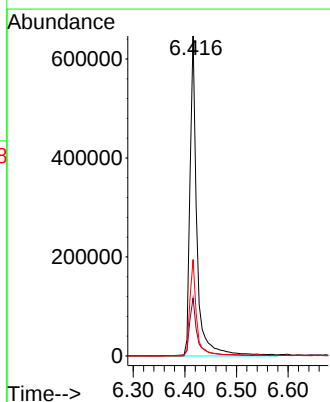
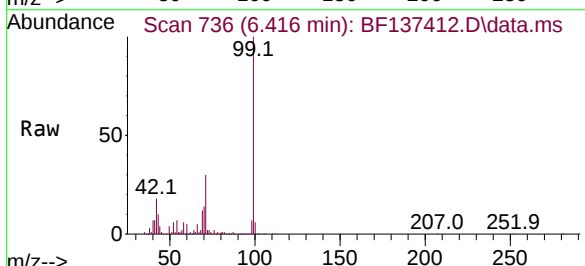
20241104-AMENDED-COMPOSITE-35N-N-4-03

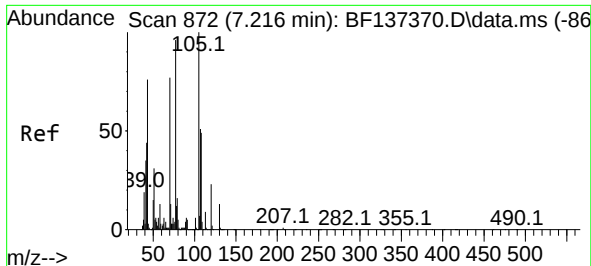
Tgt Ion:112 Resp: 766849
Ion Ratio Lower Upper
112 100
64 64.2 51.0 76.6
63 31.1 25.7 38.5



#7
Phenol-d6
Concen: 28.757 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion: 99 Resp: 606102
Ion Ratio Lower Upper
99 100
42 18.1 14.2 21.4
71 30.1 25.2 37.8





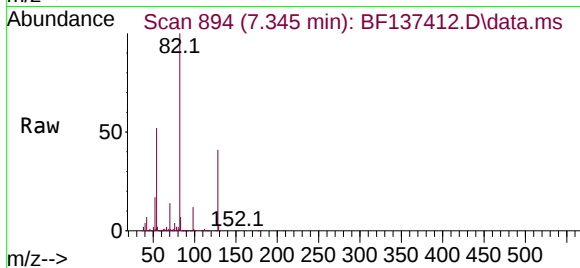
#19
n-Nitroso-di-n-propylamine
Concen: 15.567 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Instrument :

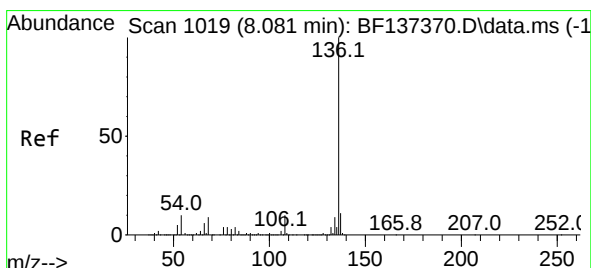
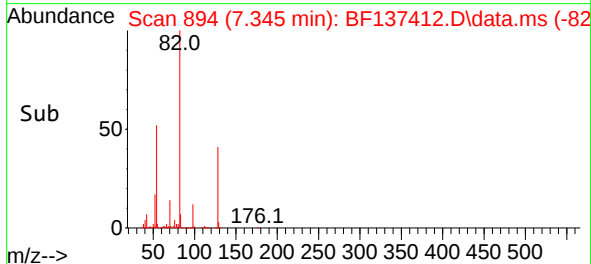
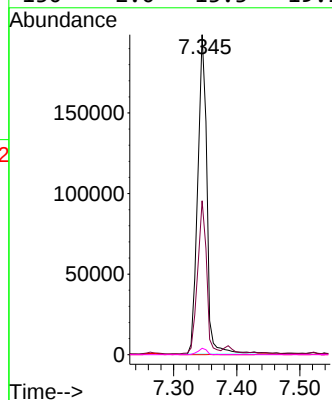
BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

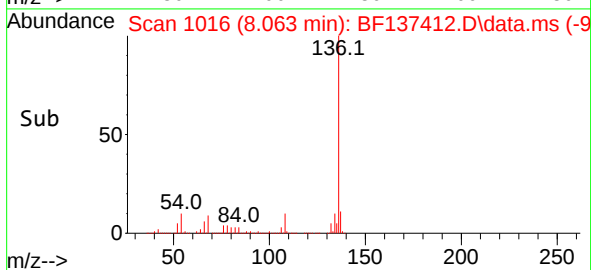
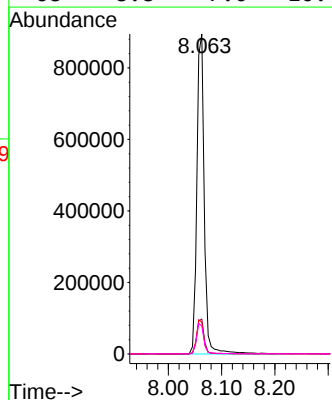
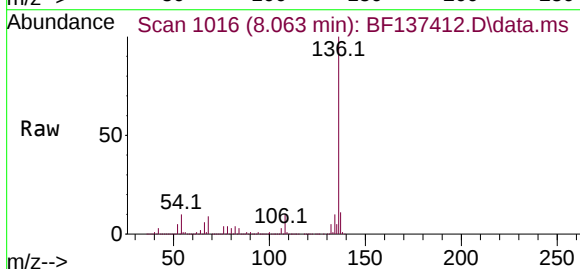


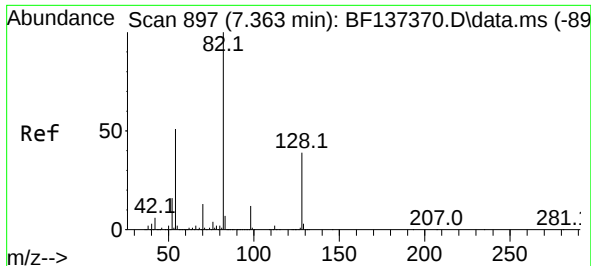
Tgt Ion: 70 Resp: 202179
Ion Ratio Lower Upper
70 100
42 48.1 45.3 67.9
101 0.0 6.5 9.7#
130 2.0 13.3 19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:136 Resp: 864279
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.9 7.8 11.6
68 8.8 7.0 10.4





#23

Nitrobenzene-d5

Concen: 87.818 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF137412.D

Acq: 27 Feb 2024 18:43

Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03

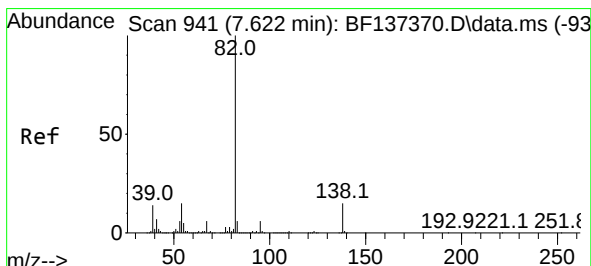
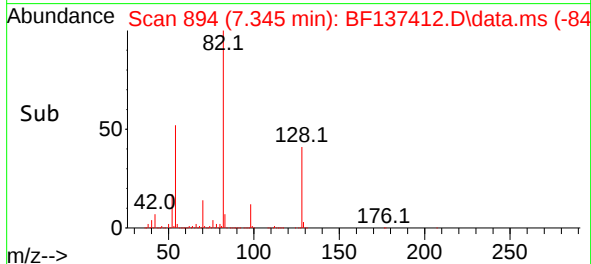
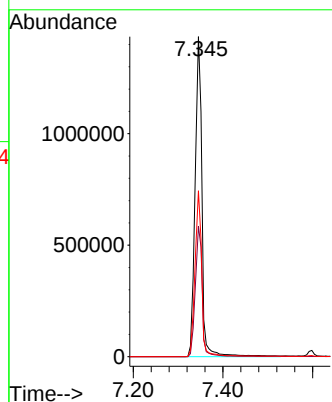
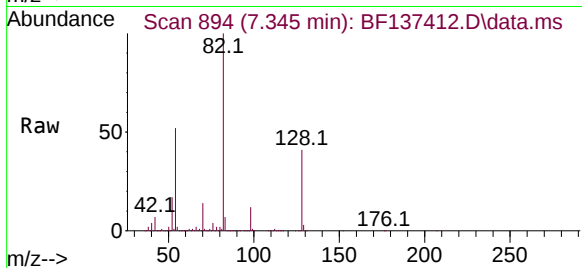
Tgt Ion: 82 Resp: 1520273

Ion Ratio Lower Upper

82 100

128 40.7 30.8 46.2

54 51.8 40.8 61.2



#25

Isophorone

Concen: 42.383 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.277 min

Lab File: BF137412.D

Acq: 27 Feb 2024 18:43

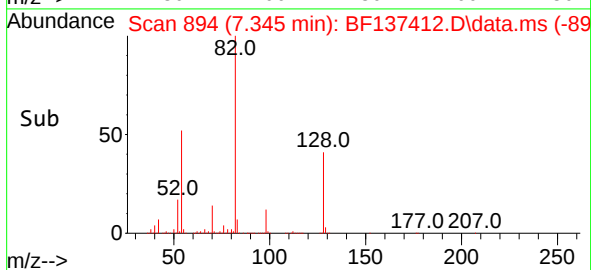
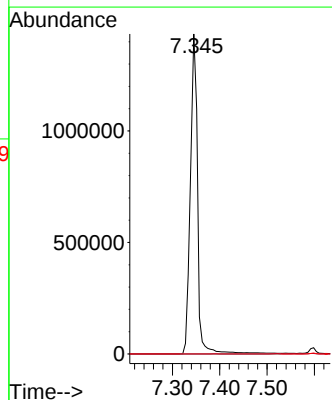
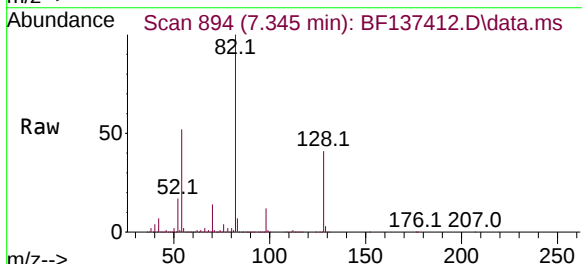
Tgt Ion: 82 Resp: 1517319

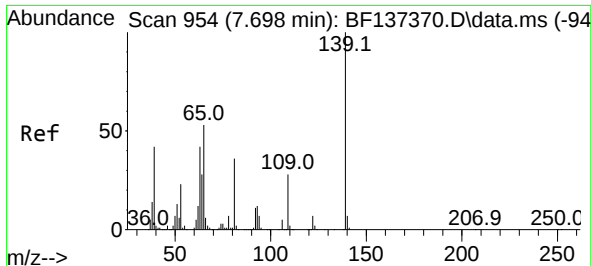
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#





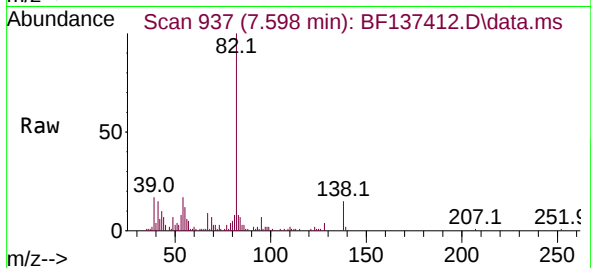
#26
2-Nitrophenol
Concen: 2.950 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Instrument :

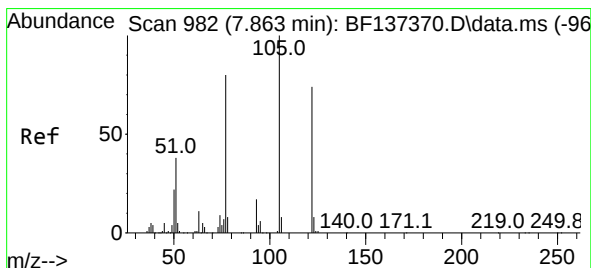
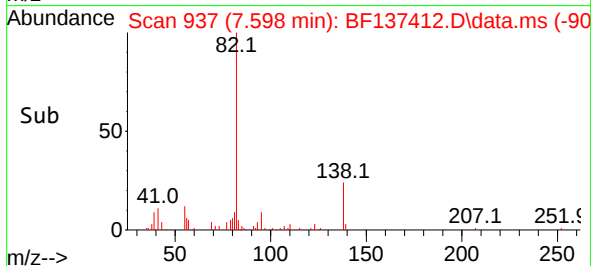
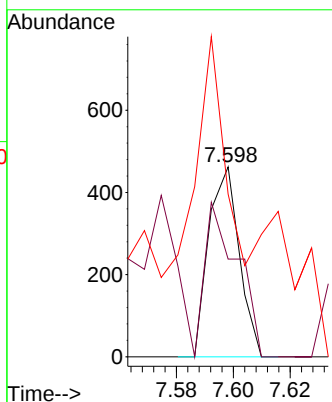
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ClientSampleId :

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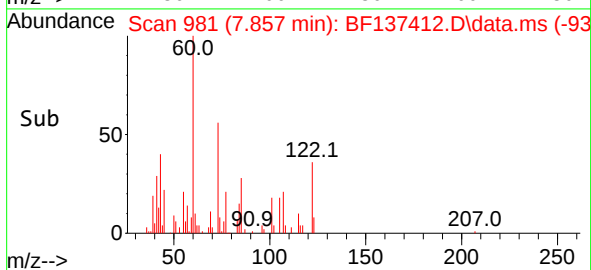
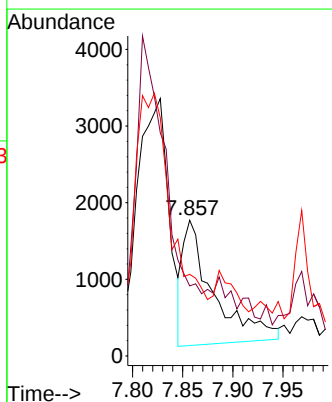
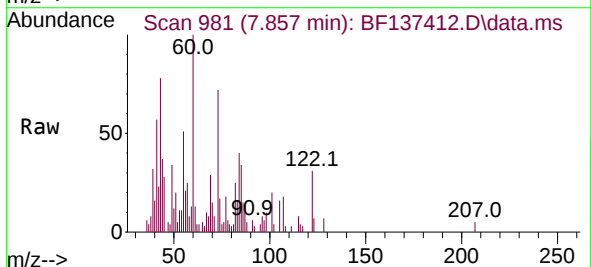


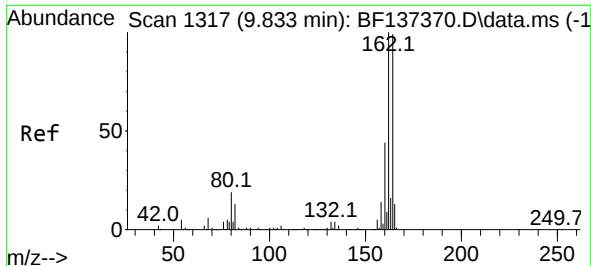
Tgt Ion	Ratio	Lower	Upper
139	100		
109	51.5	22.5	33.7#
65	85.7	42.3	63.5#



#32
Benzoic acid
Concen: 7.319 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion	Ratio	Lower	Upper
122	100		
105	51.7	101.1	141.1#
77	60.2	82.8	122.8#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

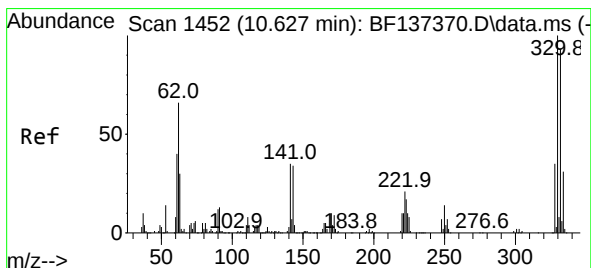
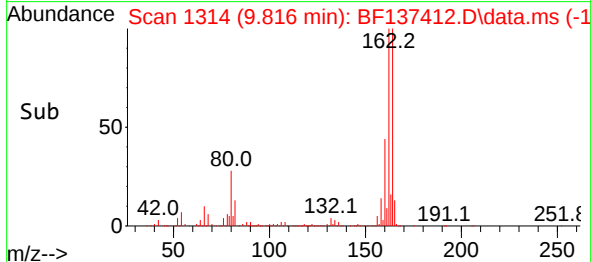
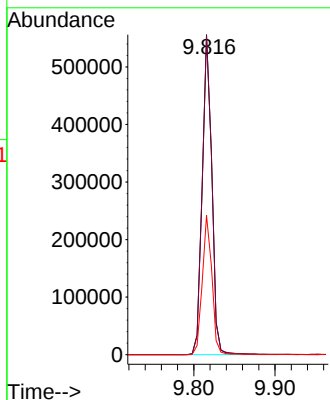
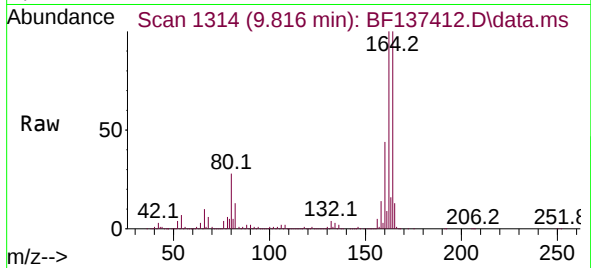
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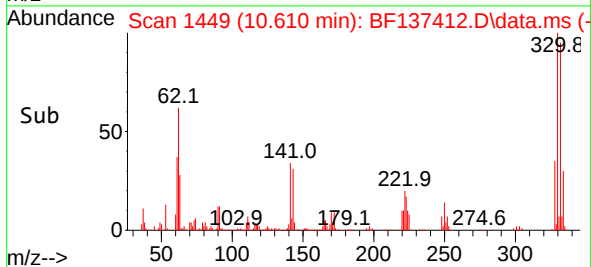
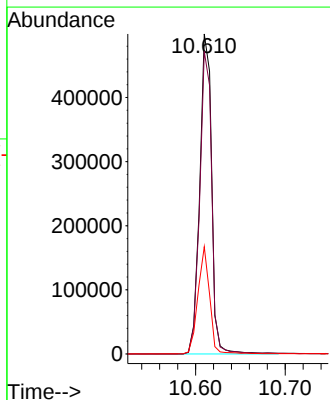
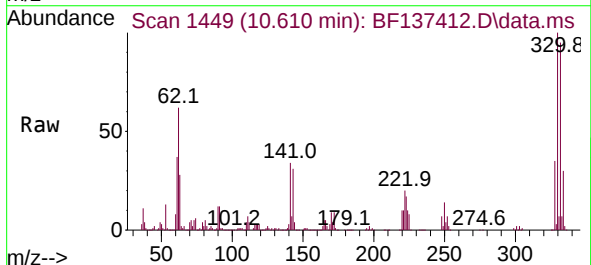
20241104-AMENDED-COMPOSITE-35N-N-4-03

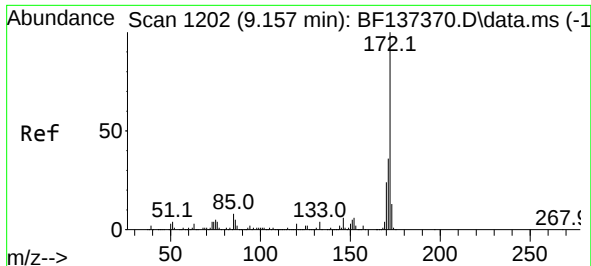
Tgt Ion:164 Resp: 455499
Ion Ratio Lower Upper
164 100
162 99.7 81.2 121.8
160 43.5 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 116.115 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:330 Resp: 460569
Ion Ratio Lower Upper
330 100
332 95.6 75.6 113.4
141 32.8 28.6 42.8





#45
2-Fluorobiphenyl
Concen: 79.176 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

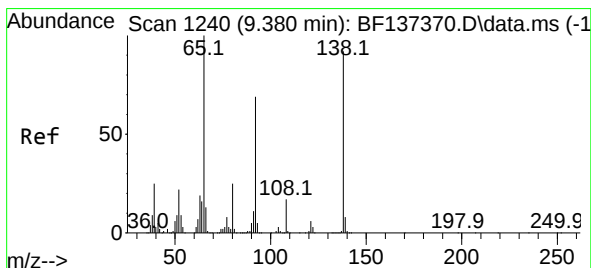
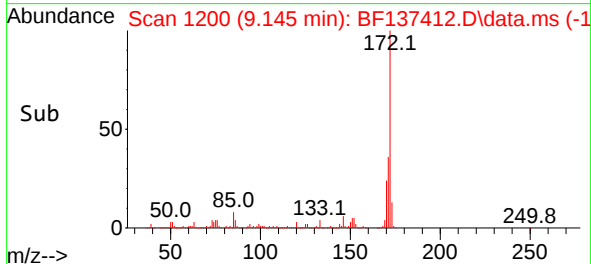
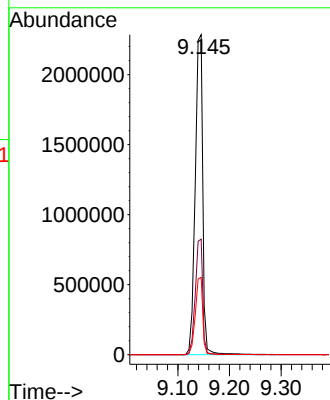
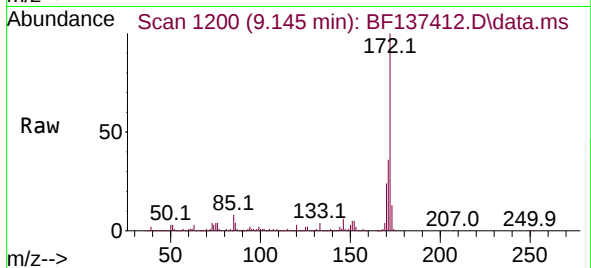
Instrument :

BNA_F

ClientSampleId :

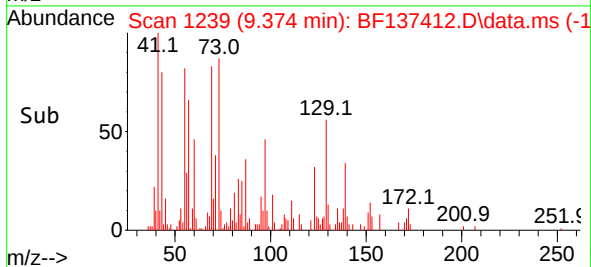
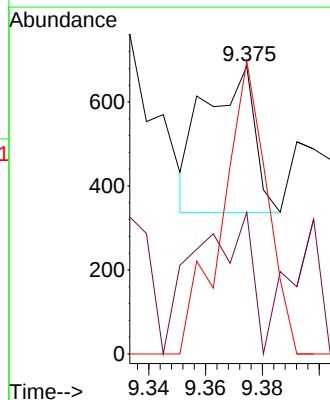
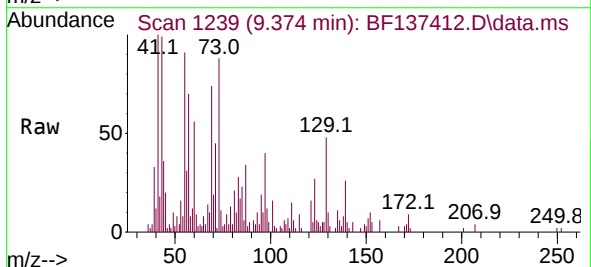
20241104-AMENDED-COMPOSITE-35N-N-4-03

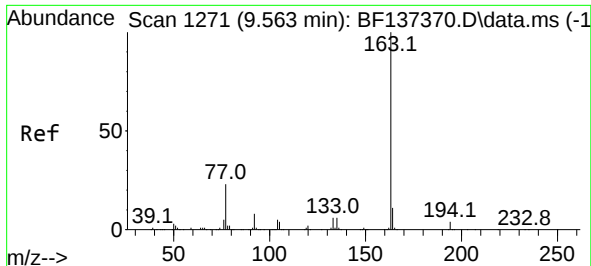
Tgt Ion:172 Resp: 2316513
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.2 19.5 29.3



#48
2-Nitroaniline
Concen: 4.293 ng
RT: 9.374 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion: 65 Resp: 419
Ion Ratio Lower Upper
65 100
92 49.2 55.0 82.6#
138 101.9 73.7 110.5





#50
Dimethylphthalate
Concen: 2.282 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

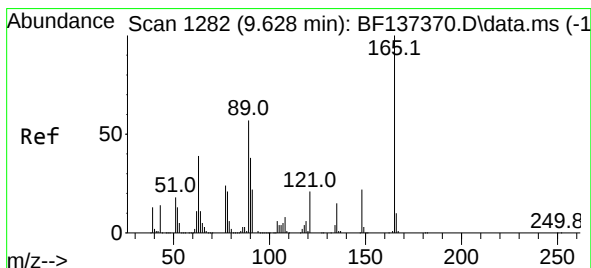
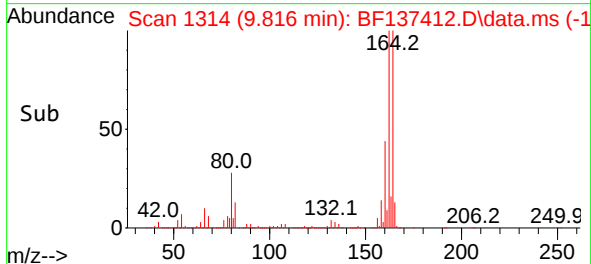
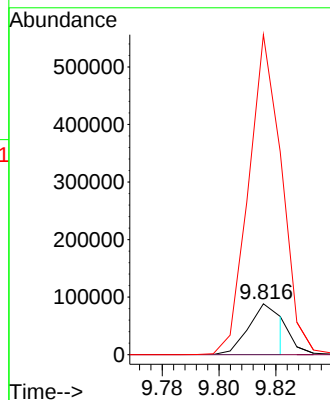
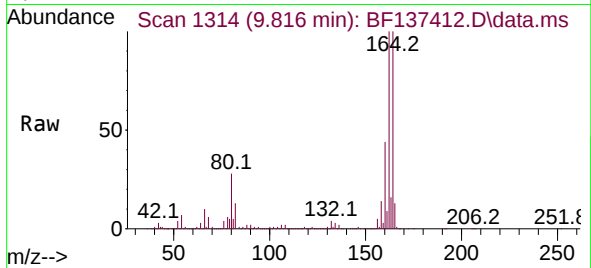
Instrument :

BNA_F

ClientSampleId :

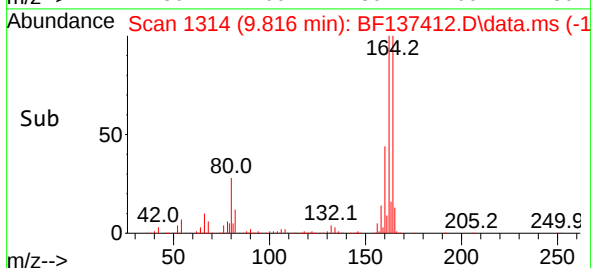
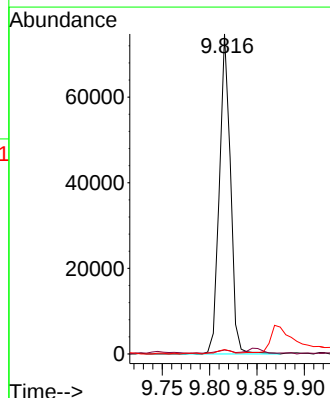
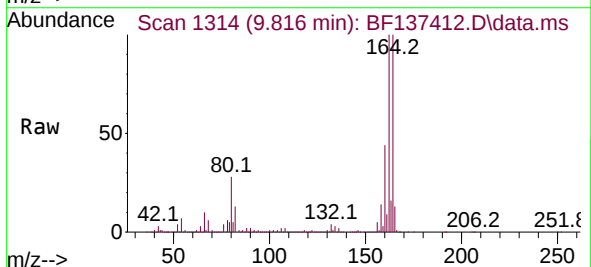
20241104-AMENDED-COMPOSITE-35N-N-4-03

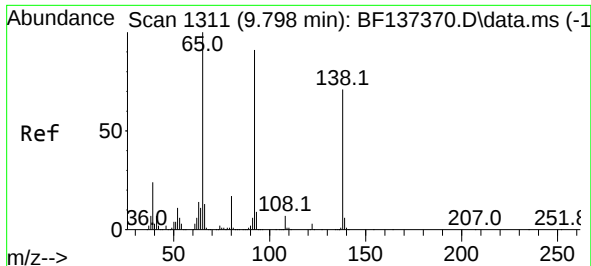
Tgt Ion:163 Resp: 71836
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 628.3 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.385 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:165 Resp: 60808
Ion Ratio Lower Upper
165 100
63 1.3 41.6 62.4#
89 1.3 45.8 68.6#





#53
3-Nitroaniline
Concen: 2.408 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

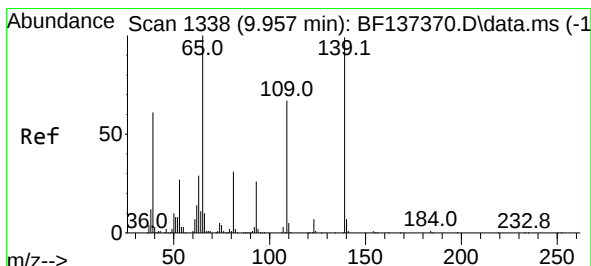
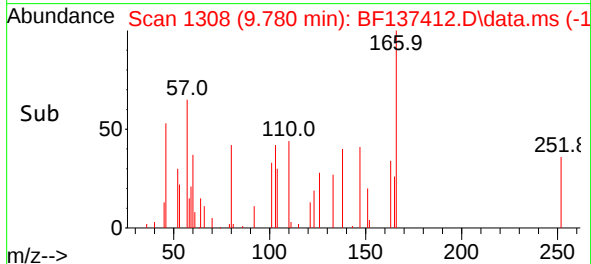
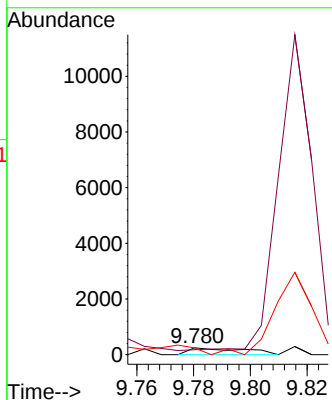
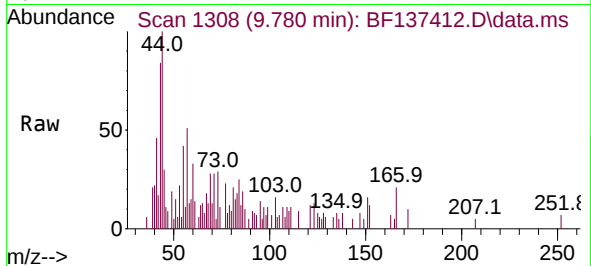
Instrument :

BNA_F

ClientSampleId :

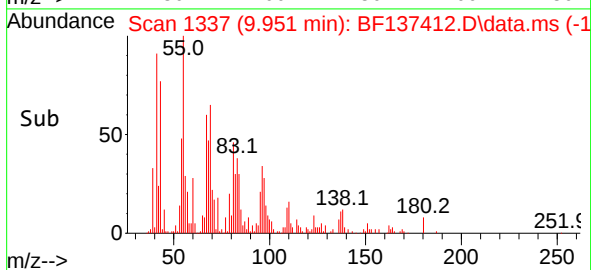
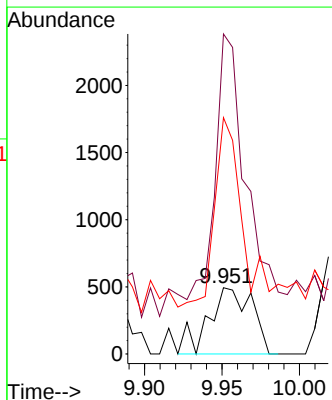
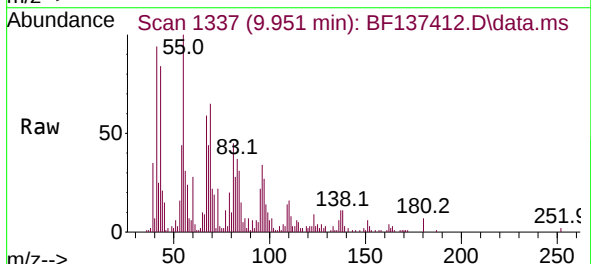
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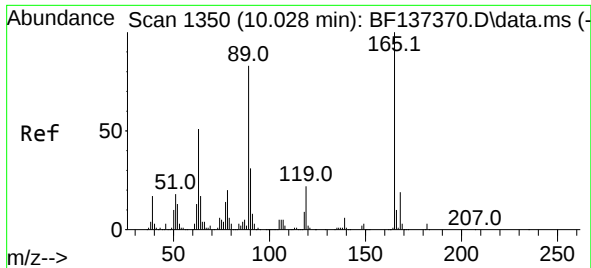
Tgt Ion:138 Resp: 334
Ion Ratio Lower Upper
138 100
108 73.2 8.2 12.2#
92 97.6 102.2 153.2#



#56
4-Nitrophenol
Concen: 5.021 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:139 Resp: 965
Ion Ratio Lower Upper
139 100
109 482.4 48.0 88.0#
65 356.3 82.2 122.2#





#57
2,4-Dinitrotoluene
Concen: 9.095 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

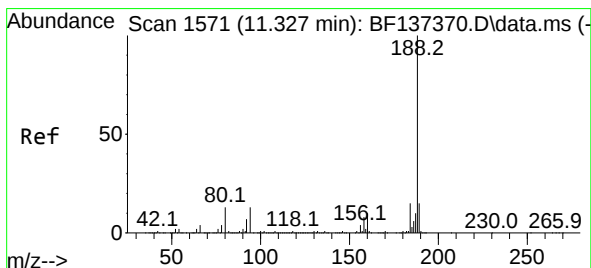
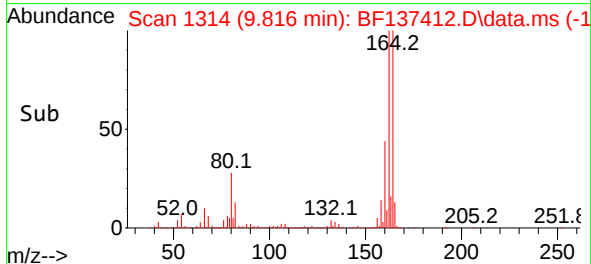
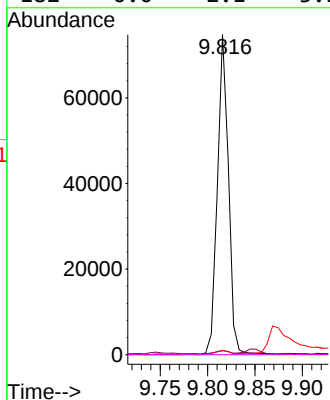
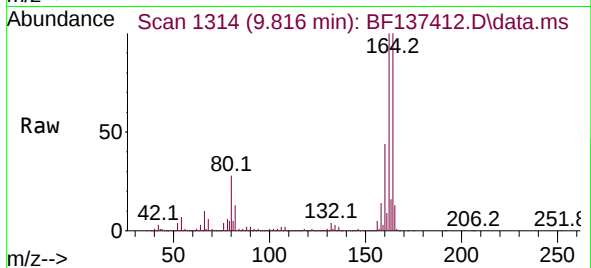
Instrument :

BNA_F

ClientSampleId :

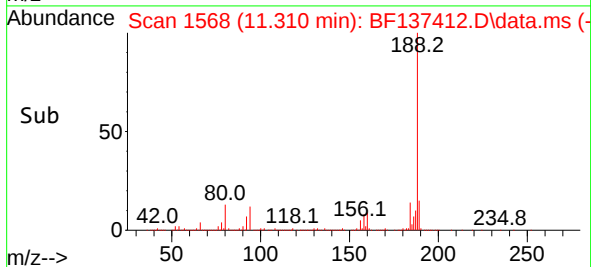
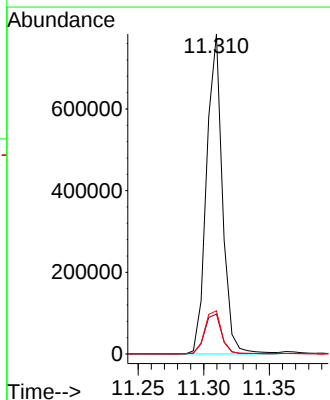
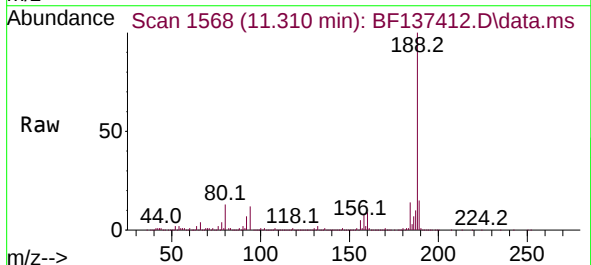
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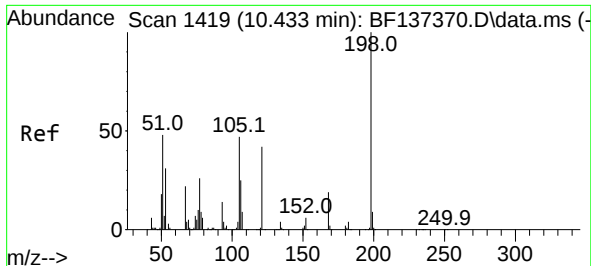
Tgt Ion:165 Resp: 60808
Ion Ratio Lower Upper
165 100
63 1.3 41.1 61.7#
89 1.3 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:188 Resp: 659456
Ion Ratio Lower Upper
188 100
94 12.4 10.2 15.2
80 13.5 10.7 16.1





#65
4,6-Dinitro-2-methylphenol
Concen: 4.839 ng
RT: 10.610 min Scan# 1419
Delta R.T. 0.177 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

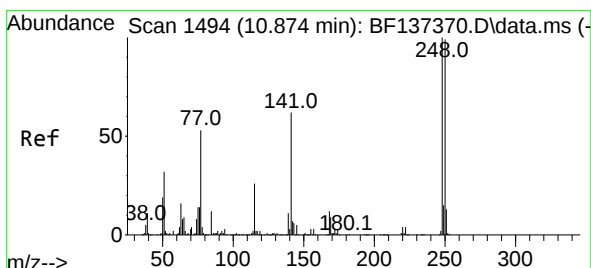
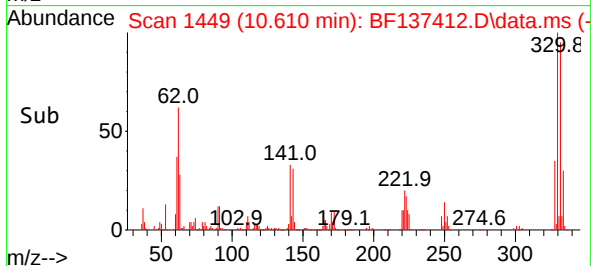
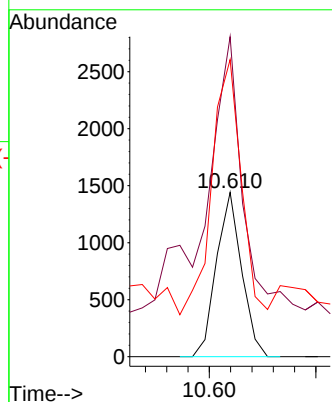
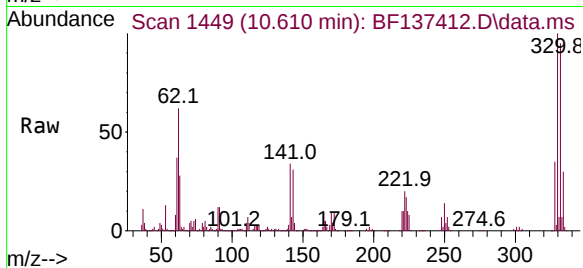
Instrument :

BNA_F

ClientSampleId :

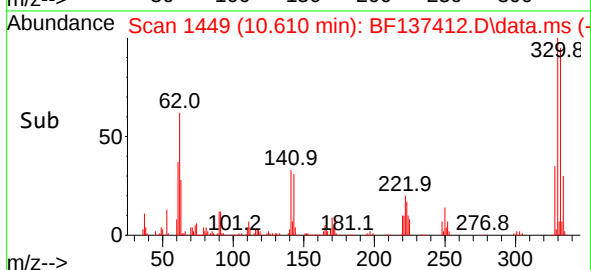
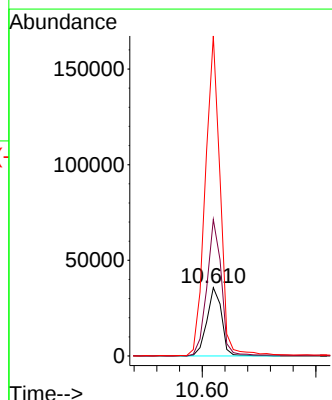
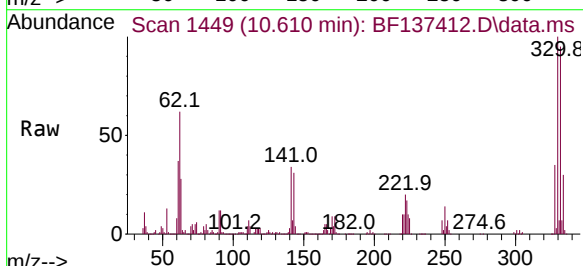
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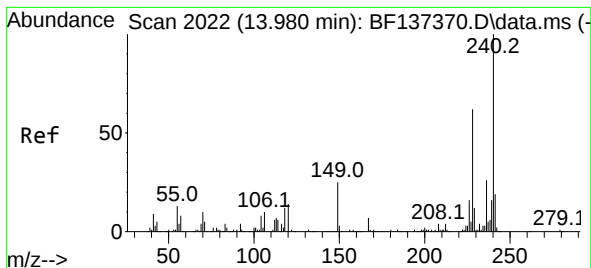
Tgt Ion:198 Resp: 1186
Ion Ratio Lower Upper
198 100
51 194.8 36.8 76.8#
105 180.8 28.5 68.5#



#67
4-Bromophenyl-phenylether
Concen: 4.516 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.265 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:248 Resp: 32014
Ion Ratio Lower Upper
248 100
250 199.8 79.0 118.6#
141 468.7 49.9 74.9#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

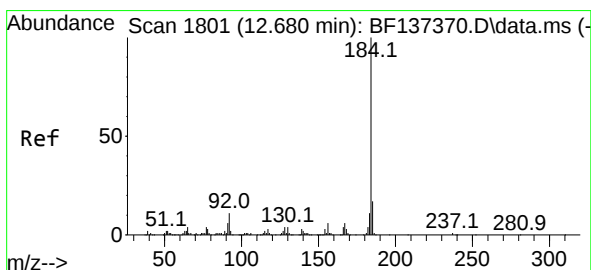
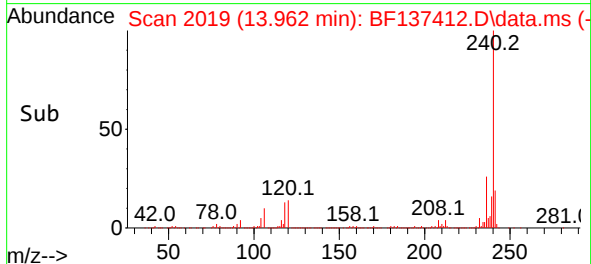
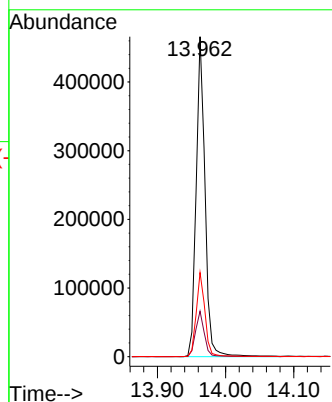
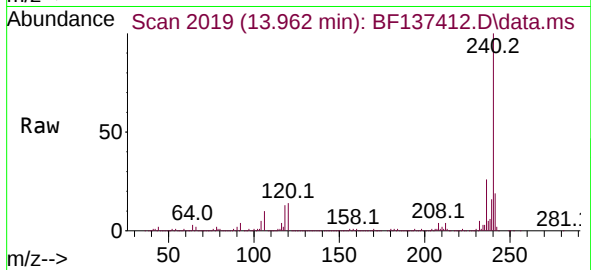
Instrument :

BNA_F

ClientSampleId :

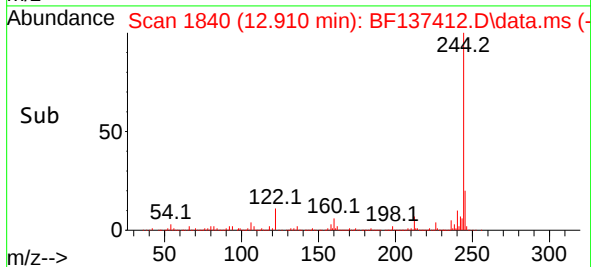
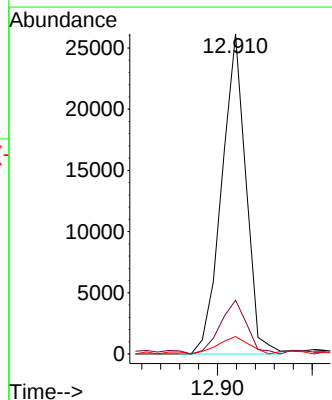
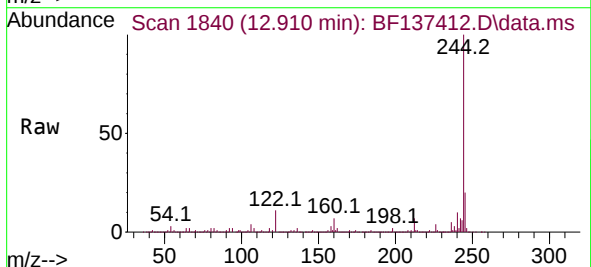
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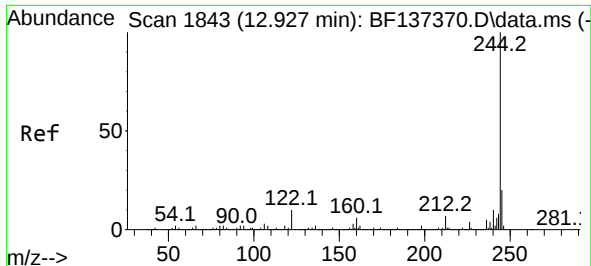
Tgt Ion:240 Resp: 420237
Ion Ratio Lower Upper
240 100
120 14.2 11.3 16.9
236 26.3 20.5 30.7



#77
Benzidine
Concen: 9.699 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.230 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:184 Resp: 23188
Ion Ratio Lower Upper
184 100
185 16.8 13.7 20.5
183 5.5 8.8 13.2#





#79
 Terphenyl-d14
 Concen: 66.202 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF137412.D
 Acq: 27 Feb 2024 18:43

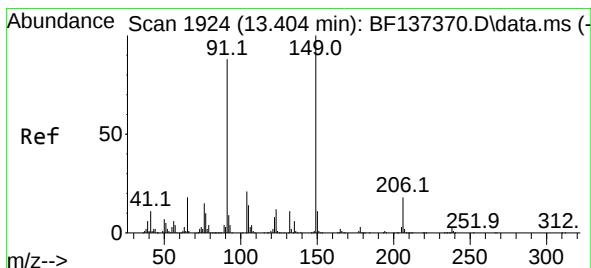
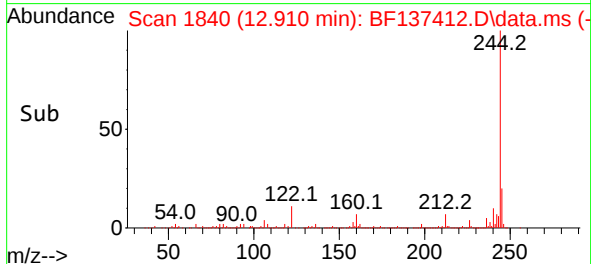
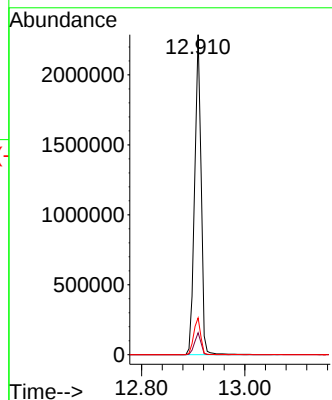
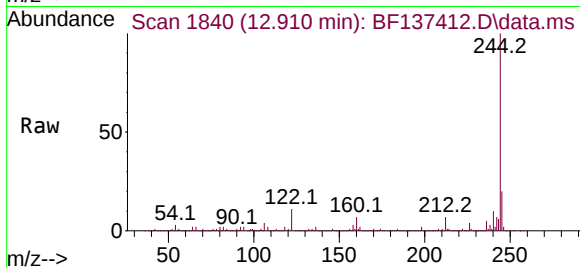
Instrument :

BNA_F

ClientSampleId :

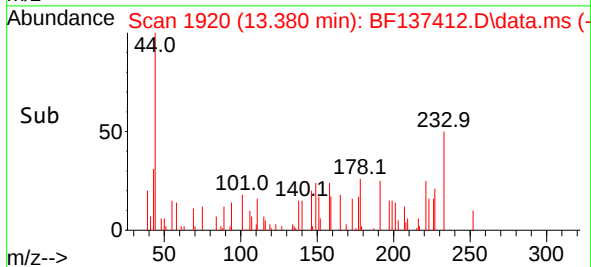
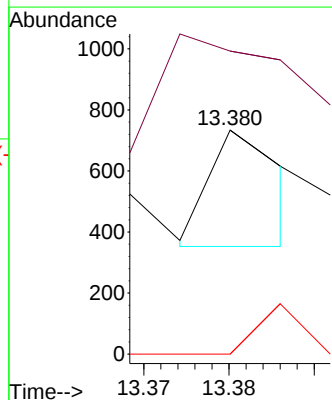
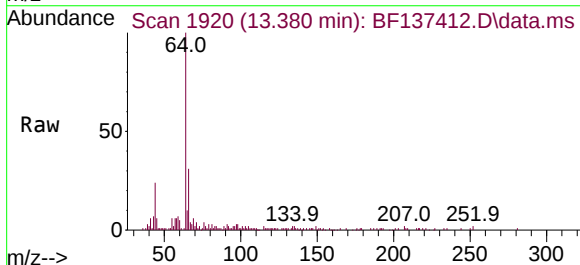
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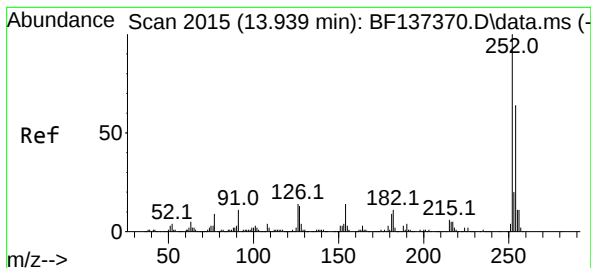
Tgt Ion:244 Resp: 1989065
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.3 7.9
 122 11.5 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 4.031 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. -0.024 min
 Lab File: BF137412.D
 Acq: 27 Feb 2024 18:43

Tgt Ion:149 Resp: 227
 Ion Ratio Lower Upper
 149 100
 91 135.3 70.5 105.7#
 206 0.0 14.8 22.2#





#82
3,3'-Dichlorobenzidine
Concen: 5.091 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

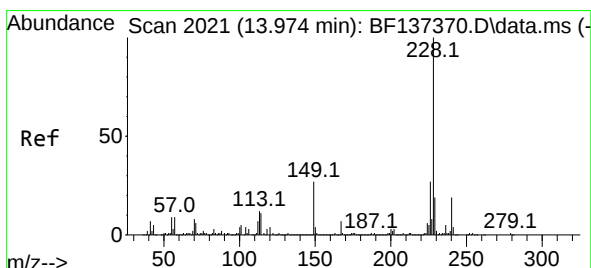
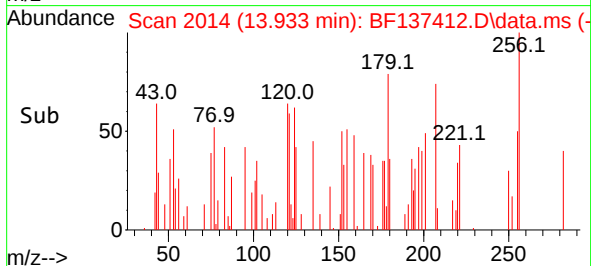
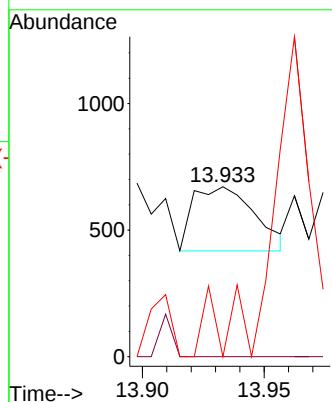
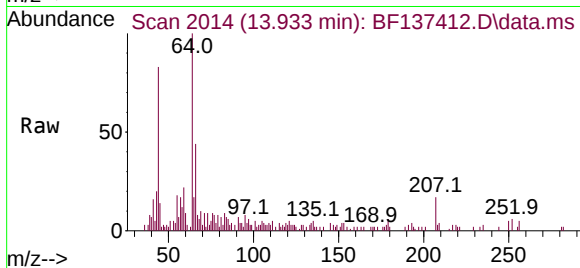
Instrument :

BNA_F

ClientSampleId :

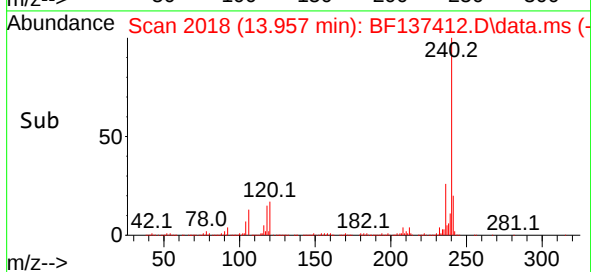
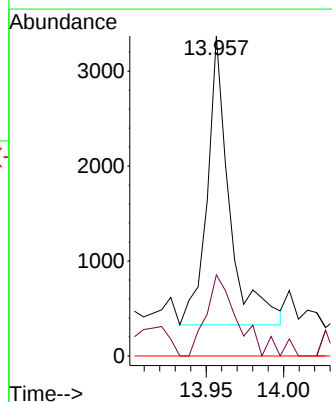
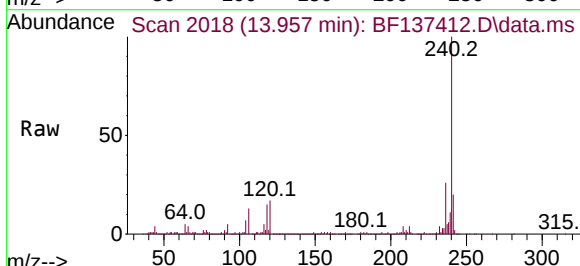
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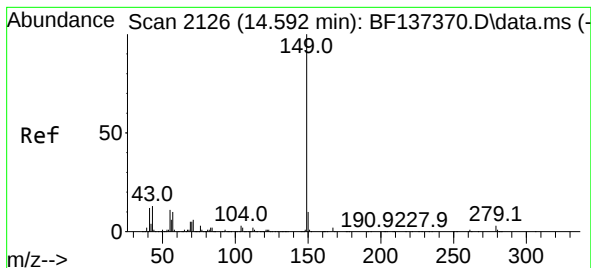
Tgt Ion:252 Resp: 443
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 0.0 11.1 16.7#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.554 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.017 min
Lab File: BF137412.D
Acq: 27 Feb 2024 18:43

Tgt Ion:149 Resp: 3033
Ion Ratio Lower Upper
149 100
167 25.4 20.6 31.0
279 0.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.036 ng

RT: 14.574 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137412.D

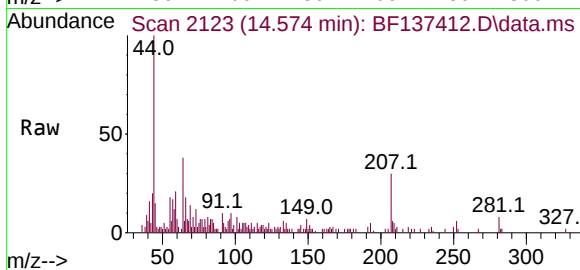
Acq: 27 Feb 2024 18:43

Instrument :

BNA_F

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03



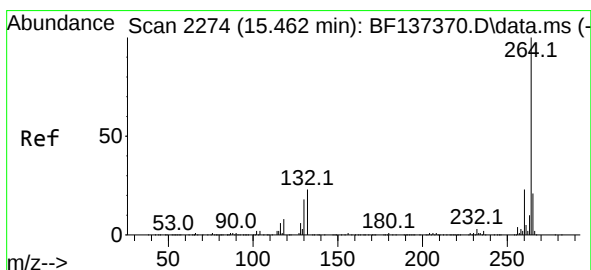
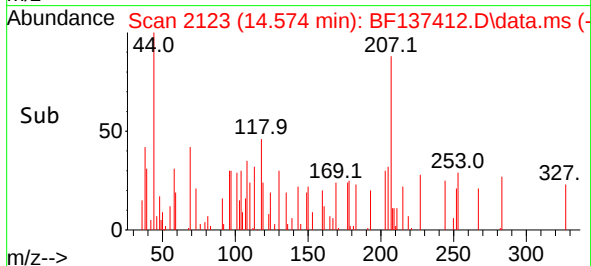
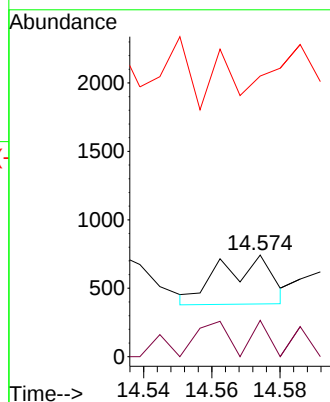
Tgt Ion:149 Resp: 372

Ion Ratio Lower Upper

149 100

167 59.7 1.2 1.8#

43 0.0 13.7 20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF137412.D

Acq: 27 Feb 2024 18:43

Tgt Ion:264 Resp: 444402

Ion Ratio Lower Upper

264 100

260 24.3 18.5 27.7

265 21.8 16.9 25.3

